

a first power supply unit including a first inverter for outputting a DC voltage and no filter, and

*Crucial*  
a second power supply unit including a second converter for outputting a DC voltage connected to the first inverter in series, and a DC filter connected to output ports of the second inverter in parallel, and wherein

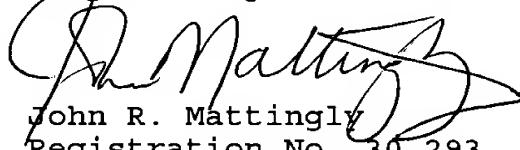
the scanning electromagnet is connected to the first inverter and the second inverter in series.

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REMARKS

Examination is requested.

Respectfully submitted,

  
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**MARKED UP VERSION OF REWRITTEN CLAIMS**

4. (Once Amended) A charged particle beam irradiation equipment, for applying a charged particle beam to an irradiation area, comprising a scanning electromagnet for deflecting the charged particle beam and a power supply for applying a voltage to the scanning electromagnet, characterized in that

the power supply comprises;

a first power supply unit including a first inverter  
for outputting a DC voltage and no filter, and

a second power supply unit including a second  
converter for outputting a DC voltage connected to the first  
inverter in series, and a DC filter connected to output ports  
of the second inverter in parallel, and wherein

the scanning electromagnet is connected to the first  
inverter and the second inverter in series.